IN THE CLAIMS

Please amend the claims to read as follows:
Listing of Claims

1. (Withdrawn) An electrolyte membrane-electrode assembly for a fuel cell, comprising a polymer electrolyte membrane and a pair of electrodes, said polymer electrolyte membrane being interposed between said pair of electrodes, wherein:

each of said electrodes comprises a catalyst layer in contact with said polymer electrolyte membrane and a gas diffusion layer which has a water repellent layer in contact with the catalyst layer,

a base material of said gas diffusion layer is made of an electron conductive carbon fiber woven fabric, comprising a weave of a warp comprising electron conductive carbon fiber and a weft comprising electron conductive carbon fiber, and

an opening is formed adjacent crossing points of said warp and said weft.

2. (Withdrawn) The electrolyte membrane-electrode assembly for fuel cells in accordance with claim 1, wherein the relationship about $1/1500 \le (10/W-Y)(10/Z-X)/XY \le about 1/5$ is satisfied, where said carbon fiber woven fabric has a warp

density of Z threads/cm, a weft density of W threads/cm, a warp thickness of X mm and a weft thickness of Y mm.

- 3. (Withdrawn) The electrolyte membrane-electrode assembly for fuel cells in accordance with claim 1, wherein said carbon fiber woven fabric has a thickness in a range of about 0.05 mm to about 0.3 mm.
- 4. (Withdrawn) The electrolyte membrane-electrode assembly for fuel cells in accordance with claim 1, wherein said carbon fiber woven fabric has a density in a range of about 0.32 g/cc to about 0.42 g/cc.
- 5. (Withdrawn) The electrolyte membrane-electrode assembly for fuel cells in accordance with claim 1, wherein one of a warp density and a weft density of said carbon fiber woven fabric is in a range of about 16 threads/cm to about 45 threads/cm, and the other of said warp density and said weft density is in a range of about 12 threads/cm to about 40 threads/cm.
- 6. (Withdrawn) The electrolyte membrane-electrode assembly for fuel cells in accordance with claim 2, wherein said carbon

fiber woven fabric has a thickness in a range of about 0.05 mm to about 0.3 mm.

- 7. (Withdrawn) The electrolyte membrane-electrode assembly for fuel cells in accordance with claim 2, wherein said carbon fiber woven fabric has a density in a range of about 0.32 g/cc to about 0.42 g/cc.
- 8. (Withdrawn) The electrolyte membrane-electrode assembly for fuel cells in accordance with claim 2, wherein one of said warp density and said weft density of said carbon fiber woven fabric is in a range of about 16 threads/cm to about 45 threads/cm, and the other of said warp density and said weft density is in a range of about 12 threads/cm to about 40 threads/cm.
- 9. (Withdrawn) The electrolyte membrane-electrode assembly for fuel cells in accordance with claim 3, wherein said carbon fiber woven fabric has a density in a range of about 0.32 g/cc to about 0.42 g/cc.
- 10. (Withdrawn) The electrolyte membrane-electrode assembly for fuel cells in accordance with claim 3, wherein one

of a warp density and a weft density of said carbon fiber woven fabric is in a range of about 16 threads/cm to about 45 threads/cm, and the other of said warp density and said weft density is in a range of about 12 threads/cm to about 40 threads/cm.

- 11. (Withdrawn) The electrolyte membrane-electrode assembly for fuel cells in accordance with claim 4, wherein one of a warp density and a weft density of said carbon fiber woven fabric is in a range of about 16 threads/cm to about 45 threads/cm, and the other of said warp density and said weft density is in a range of about 12 threads/cm to about 40 threads/cm.
- 12. (Withdrawn) The electrolyte membrane-electrode assembly for fuel cells in accordance with claim 11, wherein said carbon fiber woven fabric has a thickness in a range of about 0.05 mm to about 0.3 mm.
 - 13. (Withdrawn) A fuel cell electrode comprising:
 a polymer electrolyte membrane;
- a catalyst layer in contact with said polymer electrolyte membrane; and

a gas diffusion layer which has a water repellent layer in contact with the catalyst layer, wherein:

a base material of said gas diffusion layer is made of an electron conductive carbon fiber woven fabric, comprising a weave of a warp comprising electron conductive carbon fiber and a weft comprising electron conductive carbon fiber, and

an opening is formed adjacent crossing points of said warp and said weft.

- 14. (Withdrawn) The fuel cell electrode of claim 13, wherein the relationship about 1/1500 ≤ (10/W-Y)(10/Z-X)/XY ≤ about 1/5 is satisfied where said carbon fiber woven fabric has a warp density of Z threads/cm, a weft density of W threads/cm, a warp thickness of X mm and a weft thickness of Y mm.
- 15. (Withdrawn) The fuel cell electrode of claim 13, wherein said fabric has a thickness in a range of about 0.05 mm to about 0.3 mm.
- 16. (Withdrawn) The fuel cell electrode of claim 13, wherein said fabric has a density in a range of about 0.32 g/cc to about 0.42 g/cc.

- 17. (Withdrawn) The fuel cell electrode of claim 13, wherein one of said warp density and said weft density of said carbon fiber woven fabric is in a range of about 16 threads/cm to about 45 threads/cm, and the other of said warp density and said weft density is in a range of about 12 threads/cm to about 40 threads/cm.
- 18. (Withdrawn) The fuel cell electrode of claim 14, wherein said carbon fiber woven fabric has a thickness in a range of about 0.05 mm to about 0.3 mm.
- 19. (Withdrawn) The fuel cell electrode of claim 14, wherein said fabric has a density in a range of about 0.32 g/cc to about 0.42 g/cc.
- 20. (Withdrawn) The fuel cell electrode of claim 14, wherein one of said warp density and said weft density of said carbon fiber woven fabric is in a range of about 16 threads/cm to about 45 threads/cm, and the other of said warp density and said weft density is in a range of about 12 threads/cm to about 40 threads/cm.

- 21. (Withdrawn) The fuel cell electrode of claim 15, wherein said carbon fiber woven fabric has a density in a range of about 0.32 g/cc to about 0.42 g/cc.
- 22. (Withdrawn) The fuel cell electrode of claim 15, wherein one of a warp density and a weft density of said carbon fiber woven fabric is in a range of about 16 threads/cm to about 45 threads/cm, and the other of said warp density and said weft density is in a range of about 12 threads/cm to about 40 threads/cm.
- 23. (Withdrawn) The fuel cell electrode of claim 16, wherein one of a warp density and a weft density of said carbon fiber woven fabric is in a range of about 16 threads/cm to about 45 threads/cm, and the other of said warp density and said weft density is in a range of about 12 threads/cm to about 40 threads/cm.
- 24. (Withdrawn) The fuel cell electrode of claim 23, wherein said carbon fiber woven fabric has a thickness in a range of about 0.05 mm to about 0.3 mm.

25. (Currently Amended) A gas diffusion layer for a fuel cell electrode, said gas diffusion layer comprising:

a gas diffusion layer which has a water repellent layer for contacting with a catalyst layer of said electrode, wherein:

a base material of said gas diffusion layer is made of an electron conductive carbon fiber woven fabric, comprising a weave of a warp comprising electron conductive carbon fiber and a weft comprising electron conductive carbon fiber, and

an opening is formed adjacent crossing points of said warp and said weft, wherein:

the relationship about 1/1500 ≤ (10/W-Y) (10/Z-X)/XY ≤ about

1/5 is satisfied where said carbon fiber woven fabric has a warp

density of Z threads/cm, a weft density of W threads/cm, a warp

thickness of X mm and a weft thickness of Y mm.

26. (Canceled).

27. (Original) The gas diffusion layer of claim 25, wherein said fabric has a thickness in a range of about 0.05 mm to about 0.3 mm.

- 28. (Original) The gas diffusion layer of claim 25, wherein said fabric has a density in a range of about 0.32 g/cc to about 0.42 g/cc.
- 29. (Original) The gas diffusion layer of claim 25, wherein one of said warp density and said weft density of said carbon fiber woven fabric is in a range of about 16 threads/cm to about 45 threads/cm, and the other of said warp density and said weft density is in a range of about 12 threads/cm to about 40 threads/cm.
 - 30-32. (Canceled).
- 33. (Original) The gas diffusion layer of claim 27, wherein said carbon fiber woven fabric has a density in a range of about 0.32 g/cc to about 0.42 g/cc.
- 34. (Original) The gas diffusion layer of claim 27, wherein one of a warp density and a weft density of said carbon fiber woven fabric is in a range of about 16 threads/cm to about 45 threads/cm, and the other of said warp density and said weft density is in a range of about 12 threads/cm to about 40 threads/cm.

- 35. (Original) The gas diffusion layer of claim 28, wherein one of a warp density and a weft density of said carbon fiber woven fabric is in a range of about 16 threads/cm to about 45 threads/cm, and the other of said warp density and said weft density is in a range of about 12 threads/cm to about 40 threads/cm.
- 36. (Original) The gas diffusion layer of claim 35, wherein said carbon fiber woven fabric has a thickness in a range of about 0.05 mm to about 0.3 mm.
- 37. (Withdrawn) An operation method of a fuel cell having an electrolyte membrane-electrode assembly which comprises a polymer electrolyte membrane and a pair of electrodes, said polymer electrolyte membrane being interposed between said pair of electrodes, wherein each of said electrodes comprises a catalyst layer in contact with said polymer electrolyte membrane and a gas diffusion layer which has a water repellent layer in contact with the catalyst layer, a base material of said gas diffusion layer is made of an electron conductive carbon fiber woven fabric, comprising a weave of a warp comprising electron conductive carbon fiber and a weft comprising electron conductive

carbon fiber, and an opening is formed adjacent crossing points of said warp and said weft, said method comprising:

generating electric power by providing a supply of a humidified fuel gas to an anode electrode of said pair of electrodes and a supply of a humidified oxidant gas to a cathode electrode of said pair of electrodes;

controlling the dew point of said fuel gas to a temperature equivalent to, or 5°C or less lower than, the temperature of said electrolyte membrane-electrode assembly in operation; and

controlling the dew point of said oxidant gas to a temperature equivalent to, or 5°C or less lower than, the temperature of said electrolyte membrane-electrode assembly in operation.